

RECEIVED  
CENTRAL FAX CENTER

DEC 22 2006

R&A Cleveland Fax

Page: 1

Date: 12/22/2006 Time: 11:40 AM To: @ 1.571.273.8300



A LEGAL PROFESSIONAL ASSOCIATION

FACSIMILE TRANSMISSION COVER SHEET

1375 EAST NINTH STREET  
ONE CLEVELAND CENTER  
NINTH FLOOR  
CLEVELAND, OH 44114  
216.623.0150 MAIN  
216.623.0134 FAX

DATE: 12/22/2006 PAGES (INCLUDING COVER PAGE): 26

To: Supplemental Information Disclosure FAX: 1.571.273.8300

FROM: Eileen T. Mathews CLIENT MATTER: 094342.0029

We are transmitting from facsimile equipment, which will automatically connect transmissions to Roetzel & Address twenty-four hours a day. If problems arise during transmission, please contact the operator at the office number listed above. Thank you.

NOTE: Unless otherwise indicated, the information contained in this facsimile transmission is confidential information intended for the use of the individual or entity named above. The information contained in this transmission may also be attorney-client privileged and/or protected as attorney work product. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error or are not sure whether it is confidential or otherwise privileged, please immediately notify us by telephone, and return the original message to us at the above address via the U.S. Postal Service at our expense. Thank you.

COMMENTS:

Dear Sirs,

Please see the attached Supplemental IDS.

Thank you.

294370.094342.0029

CLEVELAND TOLEDO AKRON COLUMBUS CINCINNATI WASHINGTON, D.C. TALLAHASSEE FORT MYERS NAPLES

www.ralaw.com

PAGE 1/26 \* RCVD AT 12/22/2006 11:38:36 AM (Eastern Standard Time) \* SVR:USPTO-EFAX-1/16 \* DNIS:2738300 \* CSID:RA Cleveland Fax \* DURATION (mm-ss):13-24

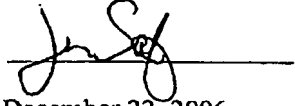
RECEIVED  
CENTRAL FAX CENTER  
DEC 22 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/699,159  
Applicant(s) : Daniel C. Conrad et al.  
Filed : October 31, 2003  
T.C./A.U. : 1751  
Examiner : Amina S. Khan

I hereby certify that this correspondence is  
being faxed to the U. S. Patent and Trademark  
Office ATTN: Examiner Amina S. Khan at  
571.273.8300 on the date indicated below.

Name : Jennifer Safranek

Signature: 

Date : December 22, 2006

Docket No. : US20010201 (094342.0029)

VIA FACSIMILE 571.273.8300  
Mail Stop NONFEE AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER C.F.R. 1.97(c)(2)

Enclosed please find the cited references which have recently come to the attention of the  
undersigned. Please charge the \$180.00 surcharge and any additional fees to our Deposit  
Account No. 50-0959, referencing our Docket No. 094342.0029.

Respectfully submitted,  
ROETZEL & ANDRESS



Date: December 22, 2006

Eileen T. Mathews  
Reg. No. 41,973  
1375 E. 9th Street  
One Cleveland Center, 10th Floor  
Cleveland, Ohio 44114  
(216) 623-0150 (reception)  
(216) 623-0134 (facsimile)

310637 v\_01 \ 094342.0029

12/27/2006 HNGUYEN1 00000005 500959 10699159  
01 FC:1806 180.00 DA

RECEIVED  
CENTRAL FAX CENTER

R&amp;A Cleveland Fax

Page: 3

DEC 22 2006

10/699,159

Applicants are bringing to the Examiner's attention the following co-pending related applications disclosed above on PTO/SB/08A. The identification of any information herein and disclosed above is not intended to be, and should not be understood as being an admission that such information, in fact, constitutes "prior art" within the meaning of applicable law.

| PUB. NO.     | APP. SER. NO. | PATENTEE              | PUB. DATE  |
|--------------|---------------|-----------------------|------------|
| 20040117919  | 10/699,262    | Conrad, et al.        | 06/24/2004 |
| 20050096243  | 10/957,555    | Luckman, et al.       | 05/05/2005 |
| 20040139555  | 10/698,920    | Daniel Conrad, et al. | 07/22/2004 |
| 20050096242  | 10/956,707    | Luckman, et al.       | 05/05/2005 |
| 20050092033  | 10/957,485    | Luckman, et al.       | 05/05/2005 |
| 20050091757  | 10/957,484    | Luckman, et al.       | 05/05/2005 |
| 20050091756  | 10/699,308    | Tremitchell Wright    | 05/05/2005 |
| 20050043196  | 10/957,486    | Wright, et al.        | 02/24/2005 |
| 20050071928  | 10/957,451    | Wright, et al.        | 04/07/2005 |
| 20050150059  | 11/005,979    | Luckman, et al.       | 07/14/2005 |
| 20050155393  | 10/971,671    | Wright, et al.        | 07/21/2005 |
| 20050222002  | 11/135,213    | Luckman, et al.       | 10/16/2005 |
| 20050257812  | 11/135,181    | Wright, et al.        | 11/24/2005 |
| 20050263173  | 11/135,214    | Luckman, et al.       | 12/01/2005 |
| 2005-0092352 | 10/957,487    | Luckman, et al.       | 05/05/2005 |
| 20060260064  | 11/135,146    | Luckman, et al.       | 11/23/2006 |
| 20060260065  | 11/135,570    | Wright, et al.        | 11/23/2006 |
| 20020056163  | 10/027,160    | Estes, et al.         | 05/16/2002 |

Respectfully submitted,  
ROETZEL & ANDRESS

December 22, 2006  
Date

Eileen T. Mathews  
Eileen T. Mathews  
Reg. No. 41,973  
1375 E. 9<sup>th</sup> Street  
One Cleveland Center, 10<sup>th</sup> Floor  
Cleveland, Ohio 44114  
(216) 623-0150 (reception)  
(216) 623-0134 (facsimile)

301343 v\_01 \ 094342.0029

RECEIVED  
CENTRAL FAX CENTER  
DEC 22 2006

PTO/SB/08A (09-08)

Approved for use through 03/31/2007. OMB 0651-0031

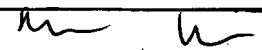
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                        |                          |                |
|--|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO   |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |                        | Application Number       | 10/699,159     |
|  |                        | Filing Date              | 10/31/2003     |
|  |                        | First Named Inventor     | Conrad, et al. |
|  |                        | Art Unit                 | 1751           |
|  |                        | Examiner Name            | Amina S. Khan  |
| Sheet 1 of 23  | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |          |  |                                |  |   |
|------------------------|----------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                        | AA       | US- 2001/0054202                         | 12/27/2001                     | John Seaverns, et al.                              |   |
|                        | AB       | US- 2002/0013234                         | 01/31/2002                     | John Seaverns, et al.                              |   |
|                        | AC       | US- 2002/0029427                         | 03/14/2002                     | John Seaverns, et al.                              |   |
|                        | AD       | US- 2002/0038480                         | 04/04/2002                     | John Deak, et al.                                  |   |
|                        | AE       | US- 2002/0017493                         | 02/14/2002                     | Bruno Johannes Ehrnsperger, et al.                 |   |
|                        | AF       | US- 2002/0007519                         | 01/24/2002                     | Anna Noyes, et al.                                 |   |
|                        | AG       | US- 2002/0004950                         | 01/17/2002                     | Michael Burns, et al.                              |   |
|                        | AH       | US- 2002/0004952                         | 01/17/2002                     | John Deak, et al.                                  |   |
|                        | AI       | US- 2002/0010964                         | 01/31/2002                     | John Deak, et al.                                  |   |
|                        | AJ       | US- 20040117919                          | 06/24/2004                     | Conrad, et al.                                     |   |
|                        | AK       | US- 20020056163                          | 05/16/2002                     | Kurt Estes   |   |
|                        | AL       | US- 20050096243                          | 05/05/2005                     | Luckman, et al.                                    |   |
|                        |          | US- 20040139555                          | 07/22/2004                     | Daniel Conrad                                      |   |
|                        |          | US- 20050096242                          | 05/05/2005                     | Luckman, et al.                                    |   |
|                        |          | US- 20050092033                          | 05/05/2005                     | Luckman, et al.                                    |   |
|                        |          | US- 20050091757                          | 05/05/2005                     | Luckman, et al.                                    |   |
|                        |          | US- 20050091755                          | 05/05/2005                     | Conrad, et al.                                     |   |
|                        |          | US- 20050091756                          | 05/05/2005                     | Tremitchell Wright                                 |   |
|                        |          | US- 20050043196                          | 02/24/2005                     | Wright, et al.                                     |   |

| FOREIGN PATENT DOCUMENTS |          |   |                                |  |   |
|--------------------------|----------|---|--------------------------------|--|---|
| Examiner Initials*       | Cite No. | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          |          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |
|                          | BA       | WO 98/06815   | 2/19/1998                      | Abid Merchant, et al.                              |   |
|                          | BB       | WO 99/14175   | 3/25/1999                      | Frederick E. Behr, et al.                          |   |
|                          | BC       | WO 01/06051   | 1/25/2001                      | Wolf-Dieter Berndt, et al.                         |   |
|                          |          | WO 01/34613   | 5/17/2001                      | Robert J. Perry, et al.                            |   |
|                          |          | WO 01/44256   | 6/21/2001                      | Robert J. Perry, et al.                            |   |
|                          |          | WO 01/94677   | 12/13/2001                     | Dennis S. Murphy                                   |   |

|                    |   |                 |         |
|--------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/30/07 |
|--------------------|---|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 7 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-766-9199) and select option 2.

PTO/SB08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amlina S. Khan           |
| Attorney Docket Number | US20010201 (094342.0029) |

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | Document Number<br>Number-Kind Code* (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|----------|---|--------------------------------|--|---|
| AM                 | AA       | US- 20050071928                                 | 04/07/2005                     | Wright, et al.                                     |   |
|                    | AB       | US- 20050150059                                 | 07/14/2005                     | Luckman, et al.                                    |   |
|                    | AC       | US- 20050155393                                 | 07/21/2005                     | Wright, et al.                                     |   |
|                    | AD       | US- 20050222002                                 | 10/16/2005                     | Luckman, et al.                                    |   |
|                    | AE       | US- 20050257812                                 | 11/24/2005                     | Wright, et al.                                     |   |
|                    | AF       | US- 20050263173                                 | 12/01/2005                     | Luckman, et al.                                    |   |
|                    | AG       | US- 20050132502                                 | 06/23/2005                     | F. Goldoni   |   |
|                    | AH       | US- 20050133462                                 | 06/23/2005                     | F. Goldoni   |   |
|                    | AI       | US- 20040088846                                 | 05/13/2004                     | Dennis Murphy, et al.                              |   |
|                    | AJ       | US- 200440088795                                | 05/13/2004                     | Michael Orchowski, et al.                          |   |
|                    | AK       | US- 20050126606                                 | 06/16/2005                     | Machiel Goedhart                                   |   |
|                    | AL       | US- 20050037938                                 | 02/17/2005                     | Mahmoud Elhamid, et al.                            |   |
|                    |          | US- 3423311                                     | 01/21/1969                     | Richard Hetherington, et al.                       |   |
|                    |          | US- 3930998                                     | 01/6/1976                      | Paul V. Knopp, et al.                              |   |
|                    |          | US- 4032927                                     | 06/28/1977                     | Takeshi Goshima                                    |   |
|                    |          | US- 4042498                                     | 08/16/1977                     | David C. Kennedy                                   |   |
|                    |          | US- 4046700                                     | 09/6/1977                      | Nolan S. Glover                                    |   |
|                    |          | US- 4121009                                     | 10/17/1978                     | Pantosh M. Chakrabarti                             |   |
|                    |          | US-   |                                |  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | Foreign Patent Document<br>Country Code* Number* Kind Code* (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T* |
|--------------------|----------|--|--------------------------------|--|---|----|
|                    | BA       | WO 01/94680  | 12/13/2001                     | Dennis S. Murphy, et al.                           |   |    |
|                    | BB       | WO 01/94685  | 12/13/2001                     | Michael Burns                                      |   |    |
|                    | BC       | WO 01/94683  | 12/13/2001                     | Anna Noyes, et al.                                 |   |    |
|                    |          | WO 01/94675  | 12/13/2001                     | John Severns, et al.                               |   |    |
|                    |          | EP0182583  | 07/03/1991                     | Kenneth A. Kasprzak                                |   |    |
|                    |          | EP0246007  | 03/18/1992                     | Beverly K. Kernerer, et al.                        |   |    |

|                    |  |                 |         |
|--------------------|--|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/30/07 |
|--------------------|--|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on this document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3 of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

| U. S. PATENT DOCUMENTS |          |                 |                             |   |   |
|------------------------|----------|-----------------|-----------------------------|---|---|
| Examiner Initials*     | Cite No. | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| am                     | AA       | US- 4153590     | 05/08/1979                  | Karl Mueller                                    |   |
|                        | AB       | US- 4169856     | 10/02/1979                  | Giacchino Cocuzza, et al.                       |   |
|                        | AC       | US- 4184950     | 01/22/1980                  | Leon C. Bixby                                   |   |
|                        | AD       | US- 4186047     | 01/29/1980                  | Emigdio J. Salmon                               |   |
|                        | AE       | US- 4235600     | 11/25/1980                  | Joseph A. Capella                               |   |
|                        | AF       | US- 4331525     | 05/25/1982                  | Francis Huba, et al.                            |   |
|                        | AG       | US- 4395488     | 07/26/1983                  | Dellon J. Rowe                                  |   |
|                        | AH       | US- 4420398     | 12/13/1983                  | Franco Castino                                  |   |
|                        | AI       | US- 4421794     | 12/20/1983                  | Horman B. Kinsley, Jr.                          |   |
|                        | AJ       | US- 4434196     | 02/28/1984                  | Tibor Robinson, et al.                          |   |
|                        | AK       | US- 4444625     | 04/24/1984                  | Robert G. Smith                                 |   |
|                        | AL       | US- 4457858     | 07/03/1984                  | Herbert Saran                                   |   |
|                        |          | US- 4499621     | 02/19/1985                  | Rene Gasser                                     |   |
|                        |          | US- 4539093     | 09/03/1985                  | Robert H. Friedman, et al.                      |   |
|                        |          | US- 4595506     | 06/17/1986                  | Franz X. Kneer                                  |   |
|                        |          | US- 4610785     | 09/09/1986                  | Frederick E. Russell                            |   |
|                        |          | US- 4622039     | 11/11/1986                  | Rosario Merenda                                 |   |
|                        |          | US- 4625432     | 12/2/1986                   | Hans Beltes                                     |   |
|                        |          | US- 4664754     | 05/12/1987                  | Roger W. Caputi, et al.                         |   |

| FOREIGN PATENT DOCUMENTS |          |                         |                             |   |   |
|--------------------------|----------|-------------------------|-----------------------------|---|---|
| Examiner Initials*       | Cite No. | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear |
| am                       | BA       | EP 0707060              | 07/01/1998                  | Cheryl A. McCormack, et al.                     |   |
|                          | BB       | EP1041189               | 10/40/2000                  | John A. Kilgour, et al.                         |   |
|                          | BC       |                         |                             |   |   |
|                          |          | EP1536052               | 10/27/2004                  | Conrad, et al.                                  |   |
|                          |          | EP1528138               | 10/28/2004                  | Conrad, et al.                                  |   |
|                          |          | EP1528139               | 10/28/2004                  | Conrad, et al.                                  |   |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
| <i>am</i>          | 4/30/07         |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4 of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

**U. S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|----------|--|--------------------------------|--|---|
|                    |          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| am                 | AA       | US- 4665929                              | 05/19/1987                     | William M. Helm                                    |   |
|                    | AB       | US- 4678587                              | 07/07/1987                     | Jack L. Voinche, et al.                            |   |
|                    | AC       | US- 4685930                              | 08/11/1987                     | Kenneth A. Kasprzak                                |   |
|                    | AD       | US- 4708775                              | 11/24/1987                     | Ian R. McGregor, et al.                            |   |
|                    | AE       | US- 4755261                              | 07/05/1988                     | James W. McCord, et al.                            |   |
|                    | AF       | US- 4761209                              | 08/02/1988                     | Joseph Bonaventura, et al.                         |   |
|                    | AG       | US- 4767537                              | 08/30/1988                     | H. Forbes Davis                                    |   |
|                    | AH       | US- 4769921                              | 09/13/1988                     | Vladimir M. Kabakov                                |   |
|                    | AI       | US- 4790910                              | 12/13/1988                     | Jaroslav J. Havlik                                 |   |
|                    | AJ       | US- 4802253                              | 02/07/1989                     | Haruo Hagihara                                     |   |
|                    | AK       | US- 4808319                              | 02/28/1989                     | Robert G. McNally, et al.                          |   |
|                    | AL       | US- 4818297                              | 04/04/1989                     | Reinhold Holzmueller, et al.                       |   |
|                    |          | US- 4830710                              | 05/16/1989                     | Ronald D. Thompson                                 |   |
|                    |          | US- 4834003                              | 05/30/1989                     | Artur Reischl, et al.                              |   |
|                    |          | US- 4851123                              | 07/25/1989                     | Surendra K. Krishna                                |   |
|                    |          | US- 4857150                              | 08/15/1989                     | Steven E. Rival                                    |   |
|                    |          | US- 4869872                              | 09/29/1989                     | Hans Baltes  |   |
|                    |          | US- 4879888                              | 11/14/89                       | Moshe Sulisa                                       |   |
|                    |          | US- 4880533                              | 11/14/89                       | John Handulas                                      |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages Or Relevant Figures Appear | T* |
|--------------------|----------|---|--------------------------------|--|--|----|
|                    |          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |  |    |
| am                 | BA       | EP1528140   | 10/28/2004                     | Tremitchell Wright, et al.                         |  |    |
|                    | BB       | EP1528141   | 10/29/2004                     | Tremitchell Wright, et al.                         |  |    |
|                    | BC       |   |                                |  |  |    |

|                    |           |                 |         |
|--------------------|-----------|-----------------|---------|
| Examiner Signature | <i>am</i> | Date Considered | 4/30/07 |
|--------------------|-----------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/USBOA (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 5 of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

| U. S. PATENT DOCUMENTS |                       |   |                                |  |   |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| am                     | AA                    | US- 4904390   | 02/27/1990                     | Werner Schweighofer, et al.                        |   |
|                        | AB                    | US- 4911761   | 03/27/1990                     | Christopher F. McConnell                           |   |
|                        | AC                    | US- 4919839   | 04/24/1990                     | Patrick Durbut                                     |   |
|                        | AD                    | US- 4947983   | 08/14/1990                     | Walter Jost  |   |
|                        | AE                    | US- 4980030   | 12/25/1990                     | Jeffrey C. Johnson, et al.                         |   |
|                        | AF                    | US- 4984318   | 01/15/1991                     | Damaso Coindreau-Palau                             |   |
|                        | AG                    | US- 5004000   | 04/02/1991                     | Serge A. Bernuex                                   |   |
|                        | AH                    | US- 5028326   | 07/02/1991                     | Robert D. Littler, et al.                          |   |
|                        | AI                    | US- 5043075   | 08/27/1991                     | Korger Dietmar, et al.                             |   |
|                        | AJ                    | US- 5050259   | 09/24/1991                     | Yasuhiro Tsubaki                                   |   |
|                        | AK                    | US- 5054210   | 10/8/1991                      | Kevin Schumacher                                   |   |
|                        | AL                    | US- 5056174   | 10/15/1991                     | Haruo Hagiwara                                     |   |
|                        |                       | US- 5082503   | 01/21/1992                     | Robert M. Slugs                                    |   |
|                        |                       | US- 5104419   | 04/14/1992                     | Harald F. Funk                                     |   |
|                        |                       | US- 5104545   | 04/14/1992                     | C. Mitchell Means, et al.                          |   |
|                        |                       | US- 5106507   | 04/21/1992                     | Byron Klock, et al.                                |   |
|                        |                       | US- 5112358   | 05/12/1992                     | James F. Deal                                      |   |
|                        |                       | US- 5116473   | 05/26/1992                     | Joseph J. Bostjancic                               |   |
|                        |                       | US- 5118322   | 06/02/1992                     | Eric Wasinger, et al.                              |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |
|--------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                          | BA                    |  |                                |  |   |
|                          | BB                    |  |                                |  |   |
|                          | BC                    |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |

|                    |                      |                 |         |
|--------------------|----------------------|-----------------|---------|
| Examiner Signature | <i>Amina S. Khan</i> | Date Considered | 4/30/07 |
|--------------------|----------------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/D6A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 6

of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

| U. S. PATENT DOCUMENTS |          |  |         |                                |  |   |
|------------------------|----------|--|---------|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number                          |         | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |          | Number-Kind Code <sup>2</sup> (if known) |         |                                |  |   |
| am                     | AA       | US-                                      | 5135656 | 08/04/1992                     | C. Mitchell Means, et al.                          |   |
|                        | AB       | US-                                      | 5143579 | 09/01/1992                     | Jasper H. Field, et al.                            |   |
|                        | AC       | US-                                      | 5151026 | 09/29/1992                     | Paul Anderson, et al.                              |   |
|                        | AD       | US-                                      | 5154854 | 10/13/1992                     | Ariette Zabotto, et al.                            |   |
|                        | AE       | US-                                      | 5164030 | 11/17/1992                     | Clemens Casper                                     |   |
|                        | AF       | US-                                      | 5167821 | 12/01/1992                     | Norihito Tanbo, et al.                             |   |
|                        | AG       | US-                                      | 5173200 | 12/22/1992                     | George Kellett                                     |   |
|                        | AH       | US-                                      | 5193560 | 03/16/1993                     | Masato Tanaka                                      |   |
|                        | AI       | US-                                      | 5199125 | 04/06/1993                     | Wolfgang K.F. Otto                                 |   |
|                        | AJ       | US-                                      | 5212272 | 05/18/1993                     | Ralph Sargent, et al.                              |   |
|                        | AK       | US-                                      | 5232476 | 08/03/1993                     | David C. H. Grant                                  |   |
|                        | AL       | US-                                      | 5240507 | 08/31/1993                     | Donald J. Gray                                     |   |
|                        |          | US-                                      | 5256246 | 08/12/1997                     | Walter Patapoff, et al.                            |   |
|                        |          | US-                                      | 5256557 | 10/26/1993                     | Jayarama K. Shetty, et al.                         |   |
|                        |          | US-                                      | 5268150 | 12/07/1993                     | David T. Burkitt                                   |   |
|                        |          | US-                                      | 5273589 | 12/28/1993                     | Griswold, et al.                                   |   |
|                        |          | US-                                      | 5284029 | 02/08/1994                     | Edward F. Keuper, et al.                           |   |
|                        |          | US-                                      | 5287985 | 02/22/1994                     | Sakao Hatayama                                     |   |
|                        |          | US-                                      | 5288420 | 02/22/1994                     | John C. Mandy                                      |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |   |
|--------------------------|-----------------------|---|--------------------------------|---|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | † |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |   |   |   |
| ✓                        | BA                    |   |                                |   |   |   |
|                          | BB                    |   |                                |   |   |   |
|                          | BC                    |   |                                |   |   |   |
|                          |                       |   |                                |   |   |   |
|                          |                       |   |                                |   |   |   |
|                          |                       |   |                                |   |   |   |
|                          |                       |   |                                |   |   |   |
|                          |                       |   |                                |   |   |   |

|                    |           |                 |         |
|--------------------|-----------|-----------------|---------|
| Examiner Signature | <i>am</i> | Date Considered | 4/30/07 |
|--------------------|-----------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)


Approved for use through 03/31/2007. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                        |                          |                |
|--|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO   |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |                        | Application Number       | 10/699,159     |
|  |                        | Filing Date              | 10/31/2003     |
|  |                        | First Named Inventor     | Conrad, et al. |
|  |                        | Art Unit                 | 1751           |
|  |                        | Examiner Name            | Amina S. Khan  |
| Sheet 7 of 23  | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |          |                              |                                |  |   |
|------------------------|----------|------------------------------|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number              | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |          | Number-Kind Code* (if known) |                                |  |   |
| am                     | AA       | US- 5288422                  | 02/22/1994                     | Rajat S. Basu                                      |   |
|                        | AB       | US- 5290473                  | 03/01/1994                     | Rajat S. Basu                                      |   |
|                        | AC       | US- 5300197                  | 04/05/1994                     | Kenji Mitani, et al.                               |   |
|                        | AD       | US- 5300154                  | 04/05/1994                     | Ferber, et al.                                     |   |
|                        | AE       | US- 5304253                  | 06/09/1992                     | David C. H. Grant                                  |   |
|                        | AF       | US- 5304320                  | 04/19/1994                     | Pierre Barthelemy, et al.                          |   |
|                        | AG       | US- 5308562                  | 05/03/1994                     | Hendrik Wohlfahrt-Laymann                          |   |
|                        | AH       | US- 5315727                  | 05/31/1994                     | Kyu C. Lee   |   |
|                        | AI       | US- 5316690                  | 05/31/1994                     | Chien C. Li  |   |
|                        | AJ       | US- 5320683                  | 06/14/1994                     | Shunichi Samejima                                  |   |
|                        | AK       | US- 5334258                  | 08/02/1994                     | Nagato Osano                                       |   |
|                        | AL       | US- 5340443                  | 08/23/1994                     | Tapio M. Heinio, et al.                            |   |
|                        |          | US- 5340464                  | 08/23/1994                     | Anthony Mickas                                     |   |
|                        |          | US- 5342405                  | 08/30/1994                     | James Duncan                                       |   |
|                        |          | US- 5344527                  | 09/06/1994                     | Anthony Mickas                                     |   |
|                        |          | US- 5346588                  | 09/13/1994                     | Herbert Sixta, et al.                              |   |
|                        |          | US- 5354428                  | 10/11/1994                     | R. Scot Clark, et al.                              |   |
|                        |          | US- 5354480                  | 10/11/1994                     | Peter M. Robinson, et al.                          |   |
|                        |          | US- 5360547                  | 11/11/1994                     | Keith R. Cockett, et al.                           |   |

| FOREIGN PATENT DOCUMENTS |           |  |                                |   |   |    |
|--------------------------|-----------|--|--------------------------------|---|---|----|
| Examiner Initials*       | Cite No.* | Foreign Patent Document                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | †* |
|                          |           | Country Code* Number * Kind Code* (if known) |                                |   |   |    |
| am                       | BA        |  |                                |   |   |    |
|                          | BB        |  |                                |   |   |    |
|                          | BC        |  |                                |   |   |    |
|                          |           |  |                                |   |   |    |
|                          |           |  |                                |   |   |    |
|                          |           |  |                                |   |   |    |
|                          |           |  |                                |   |   |    |
|                          |           |  |                                |   |   |    |

|                    |   |                 |         |
|--------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/30/07 |
|--------------------|---|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

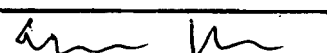
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                        |                          |                |
|---|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO  |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |                        | Application Number       | 10/699,159     |
|   |                        | Filing Date              | 10/31/2003     |
|   |                        | First Named Inventor     | Conrad, et al. |
|   |                        | Art Unit                 | 1751           |
|   |                        | Examiner Name            | Amina S. Khan  |
| Sheet 8 of 23   | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |                       |  |                                |   |   |
|------------------------|-----------------------|--|--------------------------------|---|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |   |   |
| an                     | AA                    | US- 5368649                              | 11/29/1994                     | Hideo Tsukazaki                                 |   |
|                        | AB                    | US- 5377705                              | 01/03/1995                     | Charles W. Smith                                |   |
|                        | AC                    | US- 5392480                              | 02/28/1995                     | Hidetoshi Ishihara                              |   |
|                        | AD                    | US- 5404732                              | 04/11/1995                     | Ji-Sung Kim                                     |   |
|                        | AE                    | US- 5405542                              | 04/11/1995                     | Toan Trinh, et al.                              |   |
|                        | AF                    | US- 5405767                              | 04/11/1995                     | Jayarama K. Shetty                              |   |
|                        | AG                    | US- 5407446                              | 04/18/1995                     | Yoshiteru Sando                                 |   |
|                        | AH                    | US- 5419849                              | 05/30/1995                     | Paul B. Fields                                  |   |
|                        | AI                    | US- 5421049                              | 06/06/1995                     | Charles W. Hendren                              |   |
|                        | AJ                    | US- 5423921                              | 06/13/1995                     | Hans-Udo Saal                                   |   |
|                        | AK                    | US- 5426955                              | 06/27/1995                     | Robert J. Modahl                                |   |
|                        | AL                    | US- 5439817                              | 08/08/1995                     | Jayarama Shetty, et al.                         |   |
|                        |                       | US- 5443747                              | 08/22/1995                     | Minoru Inada, et al.                            |   |
|                        |                       | US- 5447171                              | 09/05/1995                     | Yoshihide Shitano                               |   |
|                        |                       | US- 5456856                              | 10/10/1995                     | Ora L. Flanningan, et al.                       |   |
|                        |                       | US- 5460018                              | 10/24/1995                     | Kurt Werner                                     |   |
|                        |                       | US- 5463819                              | 11/07/1995                     | Yasumasa Komori                                 |   |
|                        |                       | US- 5480572                              | 01/02/1996                     | Barbara H. Minor                                |   |
|                        |                       | US- 5488842                              | 02/06/1996                     | Yukiko Nishioka, et al.                         |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>4</sup> |
|                          |                       | Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (if known) |                                |   |   |                |
|                          | BA                    |   |                                |   |   |                |
|                          | BB                    |   |                                |   |   |                |
|                          | BC                    |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 12/30/07 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-08)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9

of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No.† | Document Number            | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------|----------------------------|--------------------------------|--|---|
|                       |              | Number-Kind Code‡ if known |                                |  |   |
| AA                    | AA           | US- 5490894                | 02/13/1996                     | Hirohide Matsuhisa                                 |   |
|                       | AB           | US- 5492138                | 02/20/1996                     | Todd Taricco                                       |   |
|                       | AC           | US- 5493743                | 02/27/1996                     | Keith R. Schneider                                 |   |
|                       | AD           | US- 5494526                | 02/27/1996                     | Ajit P. Paranjpe                                   |   |
|                       | AE           | US- 5494600                | 02/27/1996                     | Athanasios Surutidis, et al.                       |   |
|                       | AF           | US- 5498266                | 03/12/1996                     | Hiroyuki Takagawa                                  |   |
|                       | AG           | US- 5500096                | 03/19/1996                     | Wallace I. Yuan                                    |   |
|                       | AH           | US- 5501811                | 03/26/1996                     | Ora L. Flaningam, et al.                           |   |
|                       | AI           | US- 5503681                | 04/02/1996                     | Minoru Inada                                       |   |
|                       | AJ           | US- 5503756                | 04/02/1996                     | Alessandro Corona, III, et al.                     |   |
|                       | AK           | US- 5504954                | 04/09/1996                     | Haeng D. Joo                                       |   |
|                       | AL           | US- 5511264                | 04/30/1996                     | Yukiko Nishioka, et al.                            |   |
|                       |              | US- 5518624                | 05/21/1996                     | James L. Filson, et al.                            |   |
|                       |              | US- 5524358                | 06/11/1996                     | Warren Matz  |   |
|                       |              | US- 5536327                | 07/16/1996                     | Robert Kaiser                                      |   |
|                       |              | US- 5536374                | 07/16/1996                     | Arthur Spring                                      |   |
|                       |              | US- 5537754                | 07/23/1996                     | Volker Bachmann, et al.                            |   |
|                       |              | US- 5538025                | 07/23/1996                     | Donald J. Gray                                     |   |
|                       |              | US- 5538746                | 07/23/1996                     | Ehud Levy  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No.† | Foreign Patent Document                     | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T‡ |
|-----------------------|--------------|---|-----------------------------------|--|---|----|
|                       |              | Country Code‡ Number‡ Kind Code‡ (if known) |                                   |  |   |    |
|                       | BA           |   |                                   |  |   |    |
|                       | BB           |   |                                   |  |   |    |
|                       | BC           |   |                                   |  |   |    |
|                       |              |   |                                   |  |   |    |
|                       |              |   |                                   |  |   |    |
|                       |              |   |                                   |  |   |    |
|                       |              |   |                                   |  |   |    |

Examiner  
SignatureDate  
Considered

4/30/07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. †Applicant's unique citation designation number (optional). ‡ See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. † Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ‡ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ‡ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ‡ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-05)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                        |                           |                |
|--|------------------------|---------------------------|----------------|
| Substitute for form 1449/PTO   |                        | <b>Complete if Known</b>  |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |                        | Application Number        | 10/699,262     |
|  |                        | Filing Date               | 10/31/2003     |
|  |                        | First Named Inventor      | Conrad, et al. |
|  |                        | Art Unit                  | 1751           |
|  |                        | Examiner Name             | Amina S. Khan  |
| Sheet 10 of 23   | Attorney Docket Number | US19984054-5(094342.0028) |                |

| U. S. PATENT DOCUMENTS |                       |  |                             |   |   |
|------------------------|-----------------------|--|-----------------------------|---|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                             |   |   |
| ML                     | AA                    | US- 5555641                              | 09/17/1996                  | In K. Lee                                       |   |
|                        | AB                    | US- 5591236                              | 01/07/1997                  | Timothy C. Roetker                              |   |
|                        | AC                    | US- 5593598                              | 01/14/1997                  | Michael McGinness, et al.                       |   |
|                        | AD                    | US- 5604145                              | 02/18/1997                  | Yasushi Hashizume, et al.                       |   |
|                        | AE                    | US- 5605882                              | 02/25/1997                  | Diana L. Klug, et al.                           |   |
|                        | AF                    | US- 5617737                              | 04/08/1997                  | Richard N. Christensen, et al.                  |   |
|                        | AG                    | US- 5622630                              | 04/22/1997                  | Alvin Groen, et al.                             |   |
|                        | AH                    | US- 5625965                              | 05/06/1997                  | Malcolm Bissett, et al.                         |   |
|                        | AI                    | US- 5637336                              | 06/10/1997                  | James R. Kammenberg, et al.                     |   |
|                        | AJ                    | US- 5644158                              | 07/01/1997                  | Eiji Fujii, et al.                              |   |
|                        | AK                    | US- 5645727                              | 07/08/1997                  | Ramesh R. Bhawe, et al.                         |   |
|                        | AL                    | US- 5649785                              | 07/22/1997                  | Tobin Djerf, et al.                             |   |
|                        |                       | US- 5653873                              | 08/05/1997                  | Bruce Grossman                                  |   |
|                        |                       | US- 5656246                              | 08/12/1997                  | Walter Patapoff, et al.                         |   |
|                        |                       | US- 5759209                              | 06/02/1998                  | Robert Adler                                    |   |
|                        |                       | US- 5765403                              | 06/16/1998                  | Phillip A. Lincoln, et al.                      |   |
|                        |                       | US- 5773403                              | 06/30/1998                  | Masamichi Hijino, et al.                        |   |
|                        |                       | US- 5776351                              | 07/07/1998                  | Michael McGinness, et al.                       |   |
|                        |                       | US- 5776362                              | 07/07/1998                  | Shigeru Sato, et al.                            |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |   |   |                |
|                          | BA                    |   |                                |   |   |                |
|                          | BB                    |   |                                |   |   |                |
|                          | BC                    |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |

|                    |  |                 |         |
|--------------------|--|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/20/07 |
|--------------------|--|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

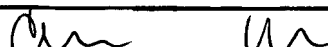
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |  |                          |                          |
|--|--|--------------------------|--------------------------|
| Substitute for form 1449/PTO   |  | <b>Complete if Known</b> |                          |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |  | Application Number       | 10/699,159               |
|  |  | Filing Date              | 10/31/2003               |
|  |  | First Named Inventor     | Conrad, et al.           |
|  |  | Art Unit                 | 1751                     |
|  |  | Examiner Name            | Amina S. Khan            |
|  |  | Attorney Docket Number   | US20010201 (094342.0029) |
| Sheet 11 of 23   |  |                          |                          |

| U. S. PATENT DOCUMENTS |          |                              |                                |  |   |
|------------------------|----------|------------------------------|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number              | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |          | Number-Kind Code* (if known) |                                |  |   |
|                        | AA       | US- 5787537                  | 08/04/1998                     | Richard Mannillo                                   |   |
|                        | AB       | US- 5789368                  | 08/04/1998                     | Jing-Feng You, et al.                              |   |
|                        | AC       | US- 5799612                  | 09/01/1998                     | Darren L. Page                                     |   |
|                        | AD       | US- 5806120                  | 09/15/1998                     | Dennis H. McEachern                                |   |
|                        | AE       | US- 5814592                  | 09/29/1998                     | Jay I. Kahn, et al.                                |   |
|                        | AF       | US- 5814595                  | 09/29/1998                     | Richard M. Flynn, et al.                           |   |
|                        | AG       | US- 5814498                  | 09/29/1998                     | K.N. Mani, et al.                                  |   |
|                        | AH       | US- 5824632                  | 10/20/1998                     | Ora L. Flanigan, et al.                            |   |
|                        | AI       | US- 5840675                  | 11/24/1998                     | Bruce A. Yeazel                                    |   |
|                        | AJ       | US- 5846435                  | 12/08/1998                     | Richard A. Haase                                   |   |
|                        | AK       | US- 5849197                  | 12/15/1998                     | Leslie J. Taylor, et al.                           |   |
|                        | AL       | US- 5853593                  | 12/29/1998                     | Rhonda Miller                                      |   |
|                        |          | US- 5858240                  | 01/12/1999                     | Zbigniew Twardowski, et al.                        |   |
|                        |          | US- 5865852                  | 02/02/1999                     | Dieter R. Berndt                                   |   |
|                        |          | US- 5868937                  | 02/09/1999                     | Dwight Back, et al.                                |   |
|                        |          | US- 5876685                  | 03/02/1999                     | Gerald A. Krulik, et al.                           |   |
|                        |          | US- 5885366                  | 03/23/1999                     | Makoto Umino, et al.                               |   |
|                        |          | US- 5893979                  | 04/13/1999                     | Jeffery S. Held                                    |   |
|                        |          | US- 5894061                  | 04/13/1999                     | Cynthia A. Ladouceur                               |   |

| FOREIGN PATENT DOCUMENTS |          |   |                                |  |   |
|--------------------------|----------|---|--------------------------------|--|---|
| Examiner Initials*       | Cite No. | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          |          | Country Code <sup>1</sup> Number <sup>2</sup> Kind Code <sup>3</sup> (if known) |                                |  |   |
|                          | BA       |   |                                |  |   |
|                          | BB       |   |                                |  |   |
|                          | BC       |   |                                |  |   |
|                          |          |   |                                |  |   |
|                          |          |   |                                |  |   |
|                          |          |   |                                |  |   |
|                          |          |   |                                |  |   |

|                    |   |                 |         |
|--------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/30/07 |
|--------------------|---|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/D&amp;A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |       |                          |                          |
|--|-------|--------------------------|--------------------------|
| Substitute for form 1449/PTO   |       | <b>Complete if Known</b> |                          |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |       | Application Number       | 10/699,159               |
|  |       | Filing Date              | 10/31/2003               |
|  |       | First Named Inventor     | Conrad, et al.           |
|  |       | Art Unit                 | 1751                     |
|  |       | Examiner Name            | Amina S. Khan            |
|  |       | Attorney Docket Number   | US20010201 (094342.0029) |
| Sheet 12   | of 23 |                          |                          |

| U. S. PATENT DOCUMENTS |                       |   |                                |  |   |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| AA                     | AA                    | US- 5904737   | 05/18/1999                     | A. Duane Preston, et al.                           |   |
|                        | AB                    | US- 5906750   | 05/25/1999                     | Richard A. Haase                                   |   |
|                        | AC                    | US- 5912408   | 06/15/1999                     | Toan Trinh, et al.                                 |   |
|                        | AD                    | US- 5914041   | 06/22/1999                     | Dennis H. Chancellor                               |   |
|                        | AE                    | US- 5925469   | 07/20/1999                     | Ronald P. Gee                                      |   |
|                        | AF                    | US- 5925611   | 07/20/1999                     | Richard M. Flynn, et al.                           |   |
|                        | AG                    | US- 5935525   | 08/10/1999                     | Philip A. Lincoln, et al.                          |   |
|                        | AH                    | US- 5935441   | 08/10/1999                     | Gary A. O'Neill, et al.                            |   |
|                        | AI                    | US- 5942007   | 08/24/1999                     | Dieter R. Berndt, et al.                           |   |
|                        | AJ                    | US- 5954869   | 09/21/1999                     | Jacques E. Elfersy, et al.                         |   |
|                        | AK                    | US- 5955394   | 09/21/1999                     | Michael D. Kelly                                   |   |
|                        | AL                    | US- 5958240   | 09/28/1999                     | Timothy L. Hoel                                    |   |
|                        |                       | US- 5959014   | 09/28/1999                     | Lanny Liebeskind, et al.                           |   |
|                        |                       | US- 5960501   | 10/05/1999                     | Alan Burdick                                       |   |
|                        |                       | US- 5960649   | 10/05/1999                     | Alan Burdick                                       |   |
|                        |                       | US- 5962390   | 10/05/1999                     | Richard M. Flynn, et al.                           |   |
|                        |                       | US- 5972041   | 10/26/1999                     | James A. Smith, et al.                             |   |
|                        |                       | US- 5977040   | 11/02/1999                     | Minoru Inada, et al.                               |   |
|                        |                       | US- 5985810   | 11/16/1999                     | Minoru Inada, et al.                               |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |
|--------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          | BA                    |  |                                |  |   |
|                          | BB                    |  |                                |  |   |
|                          | BC                    |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |

|                    |                      |                 |         |
|--------------------|----------------------|-----------------|---------|
| Examiner Signature | <i>Amina S. Khan</i> | Date Considered | 4/30/07 |
|--------------------|----------------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/D&amp;A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                        |                          |                |
|--|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO   |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |                        | Application Number       | 10/699,159     |
|  |                        | Filing Date              | 10/31/2003     |
|  |                        | First Named Inventor     | Conrad, et al. |
|  |                        | Art Unit                 | 1751           |
|  |                        | Examiner Name            | Amina S. Khan  |
| Sheet 13 of 23   | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| am                     | AA                    | US 6006387                               | 12/28/1999                     | Theodore R. Cooper                                 |   |
|                        | AB                    | US 6010621                               | 01/04/2000                     | Harley J. Pattee                                   |   |
|                        | AC                    | US 6013683                               | 01/11/2000                     | Randal Myron                                       |   |
|                        | AD                    | US 6027651                               | 02/22/2000                     | Alan B. Cash                                       |   |
|                        | AE                    | US 6029479                               | 02/29/2000                     | Harley J. Pattee                                   |   |
|                        | AF                    | US 6042617                               | 03/28/2000                     | Wolf-Dieter Berndt                                 |   |
|                        | AG                    | US 6042618                               | 03/28/2000                     | Wolf-Dieter Berndt                                 |   |
|                        | AH                    | US 6045588                               | 04/04/2000                     | Kurt Estes, et al.                                 |   |
|                        | AI                    | US 6056789                               | 05/02/2000                     | Wolf-Dieter Berndt                                 |   |
|                        | AJ                    | US 6059845                               | 05/09/2000                     | Wolf-Dieter Berndt                                 |   |
|                        | AK                    | US 6059971                               | 05/09/2000                     | Robert Vit, et al.                                 |   |
|                        | AL                    | US 6063135                               | 05/16/2000                     | Dieter Berndt, et al.                              |   |
|                        |                       | US 6063748                               | 05/16/2000                     | Richard M. Flynn, et al.                           |   |
|                        |                       | US 6086635                               | 07/11/2000                     | Wolf-Dieter Berndt, et al.                         |   |
|                        |                       | US 6098306                               | 08/08/2000                     | Michael Ramsey                                     |   |
|                        |                       | US 6113815                               | 09/05/2000                     | Jacques E. Elfersy                                 |   |
|                        |                       | US 6115862                               | 09/12/2000                     | Theodore R. Cooper                                 |   |
|                        |                       | US 6120587                               | 09/19/2000                     | Jacques E. Elfersy                                 |   |
|                        |                       | US 6136223                               | 10/24/2000                     | Terrence J. Collins                                |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                          |                       | Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) |                                |  |   |
|                          | BA                    |   |                                |  |   |
|                          | BB                    |   |                                |  |   |
|                          | BC                    |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |

|                    |             |                 |         |
|--------------------|-------------|-----------------|---------|
| Examiner Signature | <i>am h</i> | Date Considered | 4/30/07 |
|--------------------|-------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
(Use as many sheets as necessary)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                        |                          |                |
|---|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO  |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |                        | Application Number       | 10/699,159     |
|   |                        | Filing Date              | 10/31/2003     |
|   |                        | First Named Inventor     | Conrad, et al. |
|   |                        | Art Unit                 | 1751           |
|   |                        | Examiner Name            | Amina S. Khan  |
| Sheet 14 of 16  | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |                       |   |                                |  |   |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| am                     | AA                    | US- 6136766   | 10/24/2000                     | Minoru Inada, et al.                               |   |
|                        | AB                    | US- 6159376   | 12/12/2000                     | William J. Lahti                                   |   |
|                        | AC                    | US- 6159917   | 12/12/2000                     | Jimmie R. Baran                                    |   |
|                        | AD                    | US- 6168714   | 01/02/2001                     | Shamsuddin Ilias, et al.                           |   |
|                        | AE                    | US- 6171346   | 01/09/2001                     | Bruce Yeazel, et al.                               |   |
|                        | AF                    | US- 6177399   | 01/23/2001                     | Wang Ping, et al.                                  |   |
|                        | AG                    | US- 6190556   | 02/20/2001                     | Robert A. Uhlinger                                 |   |
|                        | AH                    | US- 6207634   | 03/27/2001                     | Axel Meyer, et al.                                 |   |
|                        | AI                    | US- 6216302   | 04/17/2001                     | A. Duane Preston, et al.                           |   |
|                        | AJ                    | US- 6217771   | 04/17/2001                     | J. Boyle, et al.                                   |   |
|                        | AK                    | US- 6221944   | 04/24/2001                     | Lanny S. Liebeskind                                |   |
|                        | AL                    | US- 6238516   | 05/29/2001                     | Dana L. Watson, et al.                             |   |
|                        |                       | US- 6238736   | 05/29/2001                     | James A. Smith                                     |   |
|                        |                       | US- 6239097   | 05/29/2001                     | Paul A. Wilson                                     |   |
|                        |                       | US- 6241779   | 06/05/2001                     | Terrence J. Collins                                |   |
|                        |                       | US- 6241786   | 06/05/2001                     | Wolfange Zarges, et al.                            |   |
|                        |                       | US- 6254838   | 07/03/2001                     | Armand Jean Goede                                  |   |
|                        |                       | US- 6254932   | 07/03/2001                     | James A. Smith                                     |   |
|                        |                       | US- 6258130   | 07/10/2001                     | Dennis Stephen Murphy                              |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |
|--------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages<br>Or Relevant Figures Appear |
|                          | BA                    |  |                                |  |   |
|                          | BB                    |  |                                |  |   |
|                          | BC                    |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |

|                    |             |                 |         |
|--------------------|-------------|-----------------|---------|
| Examiner Signature | <i>am h</i> | Date Considered | 4/30/07 |
|--------------------|-------------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-08)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 15 of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

| U. S. PATENT DOCUMENTS |                       |   |                                |  |   |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| AM                     | AA                    | US- 6258276   | 07/10/2001                     | Alicia M. Mika, et al.                             |   |
|                        | AB                    | US- 6261460   | 07/17/2001                     | James A. Benn, et al.                              |   |
|                        | AC                    | US- 6269667   | 08/07/2001                     | Dwight D. Back                                     |   |
|                        | AD                    | US- 6274540   | 08/14/2001                     | Jeffrey Schelbel, et al.                           |   |
|                        | AE                    | US- 6277804   | 08/21/2001                     | Jay Kahn, et al.                                   |   |
|                        | AF                    | US- 6281187   | 08/28/2001                     | Mark Smerznak                                      |   |
|                        | AG                    | US- 6288018   | 09/11/2001                     | Richard M. Flynn, et al.                           |   |
|                        | AH                    | US- 6299779   | 10/09/2001                     | Harley J. Pattee                                   |   |
|                        | AI                    | US- 6309425   | 10/30/2001                     | Dennis Murphy                                      |   |
|                        | AJ                    | US- 6309752   | 10/30/2001                     | Rudolf Darns, et al.                               |   |
|                        | AK                    | US- 6310029   | 10/30/2001                     | John A. Kilgour, et al.                            |   |
|                        | AL                    | US- 6312476   | 11/06/2001                     | Robert J. Perry, et al.                            |   |
|                        |                       | US- 6319406   | 11/20/2001                     | Amy R. Freshour, et al.                            |   |
|                        |                       | US- 6327731   | 12/11/2001                     | Dwight D. Back                                     |   |
|                        |                       | US- 6348441   | 02/19/2002                     | John Alken, et al.                                 |   |
|                        |                       | US- 6350377   | 2/26/2002                      | Ulrich Kollmar, et al.                             |   |
|                        |                       | US- 6365051   | 04/02/2002                     | Mansour S. Bader                                   |   |
|                        |                       | US- 6379547   | 04/30/2002                     | Bo Larsson   |   |
|                        |                       | US- 6384008   | 05/07/2002                     | Diane Pany   |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |
|--------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          | BA                    |  |                                |  |   |
|                          | BB                    |  |                                |  |   |
|                          | BC                    |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
| <i>AM</i>          | 4/30/07         |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

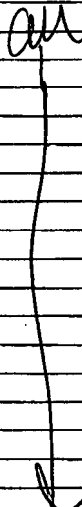
PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031


U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                        |                          |                |
|---|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO  |                        | <b>Complete If Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |                        | Application Number       | 10/699,159     |
|   |                        | Filing Date              | 10/31/2003     |
|   |                        | First Named Inventor     | Conrad, et al. |
|   |                        | Art Unit                 | 1751           |
|   |                        | Examiner Name            | Amina S. Khan  |
| Sheet 16 of 23  | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS   |                       |  |                                |   |   |
|--|-----------------------|--|--------------------------------|---|---|
| Examiner Initials*   | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|  |                       | Number-Kind Code <sup>2</sup> (if known) |                                |   |   |
|  | AA                    | US- 6387186                              | 05/14/2002                     | Richard C. Reisig, et al.                       |   |
|  | AB                    | US- 6387241                              | 05/14/2002                     | Murphy, et al.                                  |   |
|  | AC                    | US- 6398840                              | 06/04/2002                     | Pedro Ona-Castro, et al.                        |   |
|  | AD                    | US- 6399357                              | 06/04/2002                     | Stefan Winge                                    |   |
|  | AE                    | US- 6402956                              | 06/11/2002                     | Masaaki Andou, et al.                           |   |
|  | AF                    | US- 6416668                              | 07/09/2002                     | Riad A. Al-Samadi                               |   |
|  | AG                    | US- 6423230                              | 07/23/2002                     | Shamsuddin Ilias, et al.                        |   |
|  | AH                    | US- 6451066                              | 09/17/2002                     | Kurt Estes, et al.                              |   |
|  | AI                    | US- 6591638                              | 07/15/2003                     | Kurt Estes, et al.                              |   |
|  | AJ                    | US- 6766670                              | 07/27/2004                     | Kurt Estes, et al.                              |   |
|  | AK                    | US-                                      |                                |   |   |
|  | AL                    | US-                                      |                                |   |   |
|  |                       | US-                                      |                                |   |   |
|  |                       | US-                                      |                                |   |   |
|  |                       | US-                                      |                                |   |   |
|  |                       | US-                                      |                                |   |   |
|  |                       | US-                                      |                                |   |   |
|  |                       | US-                                      |                                |   |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |
|--------------------------|-----------------------|---|--------------------------------|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear |
|                          |                       | Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) |                                |   |   |
|                          | BA                    |   |                                |   |   |
|                          | BB                    |   |                                |   |   |
|                          | BC                    |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |
|                          |                       |   |                                |   |   |

|                    |   |                 |         |
|--------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/30/07 |
|--------------------|---|-----------------|---------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 17 of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

| U. S. PATENT DOCUMENTS |          |  |                                |  |   |
|------------------------|----------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |          | Number-Kind Code <sup>3</sup> (if known) |                                |  |   |
| M                      | AA       | US- 2003/0196277                         | 10-2003                        | Hallman, et al.                                    |   |
|                        | AB       | US- 2002/0056164                         | 05-2002                        | Estes, et al.                                      |   |
|                        | AC       | US- 6,770,615                            | 08-2004                        | Aouad, et al.                                      |   |
|                        | AD       | US- 2002/0056164                         | 05-2002                        | Estes, et al.                                      |   |
|                        | AE       | US- 3,733,267                            | 05-1973                        | Haase, et al.                                      |   |
|                        | AF       | US- 2003/0226214                         | 12-2003                        | Radomyselski, et al.                               |   |
|                        | AG       | US- 6,855,173                            | 02-2005                        | Ehrnsperger, et al.                                |   |
|                        | AH       | US- 3,410,118                            | 11-1968                        | Dickey John W.                                     |   |
|                        | AI       | US- 3,163,028                            | 12-1964                        | De Pas Laddie A, et al.                            |   |
|                        | AJ       | US- 5,431,827                            | 7-1995                         | Tatch, Michael D.                                  |   |
|                        | AK       | US- 4,252,546                            | 02-1981                        | Krugmann, Hans G.                                  |   |
|                        | AL       | US- 3,691,649                            | 09-1972                        | Pigors, Ernst                                      |   |
|                        |          | US- 6,475,968                            | 11-2002                        | Murphy, et al.                                     |   |
|                        |          | US- 2003/0084588                         | 05-2003                        | France, et al.                                     |   |
|                        |          | US- 2001/0042275                         | 11-2001                        | Estes, et al.                                      |   |
|                        |          | US- 6,045,588                            | 04-2000                        | Estes, et al.                                      |   |
|                        |          | US- 4,247,330                            | 01-1981                        | Sanders, Jr., Albert J.                            |   |
|                        |          | US- 5,091,105                            | 02-1992                        | Madore, et al.                                     |   |
|                        |          | US- 4,961,753                            | 10-1990                        | Donkers, et al.                                    |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |    |
|--------------------------|-----------------------|---|--------------------------------|---|---|----|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T* |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |   |   |    |
|                          | BA                    |   |                                |   |   |    |
|                          | BB                    |   |                                |   |   |    |
|                          | BC                    |   |                                |   |   |    |
|                          |                       |   |                                |   |   |    |
|                          |                       |   |                                |   |   |    |
|                          |                       |   |                                |   |   |    |
|                          |                       |   |                                |   |   |    |

|                      |                 |
|----------------------|-----------------|
| Examiner Signature   | Date Considered |
| <i>Amina S. Khan</i> | 4/30/07         |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|   |                        |                          |                |
|---|------------------------|--------------------------|----------------|
| Substitute for form 1449/PTO  |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(Use as many sheets as necessary) |                        | Application Number       | 10/699,159     |
|   |                        | Filing Date              | 10/31/2003     |
|   |                        | First Named Inventor     | Conrad, et al. |
|   |                        | Art Unit                 | 1751           |
|   |                        | Examiner Name            | Amina S. Khan  |
| Sheet 18 of 123   | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |                       |   |                                |  |   |
|------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
| am                     | AA                    | US- 4,708,807   | 11-1987                        | Kemerer, Beverly K.                                |   |
|                        | AB                    | US- 4,999,398   | 03-1991                        | Graiver, et al.                                    |   |
|                        | AC                    | US- 4,388,437   | 06-1983                        | Ona, Isao  |   |
|                        | AD                    | US- 4,912,793   | 04/03/1990                     | Hagiwara   |   |
|                        | AE                    | US- 5,467,492   | 11/21/1995                     | Chao, et al.                                       |   |
|                        | AF                    | US- 5,498,266   | 03/12/1996                     | Takagawa, et al.                                   |   |
|                        | AG                    | US- 5,498,266   | 03/12/1996                     | Takagawa, et al.                                   |   |
|                        | AH                    | US- 5,133,802   | 07-1992                        | Maekawa, et al.                                    |   |
|                        | AI                    | US- 4,004,048   | 01-1977                        | Jackson  |   |
|                        | AJ                    | US- 4,636,328   | 01-1987                        | Flynn, et al.                                      |   |
|                        | AK                    | US- 5,712,240   | 01-1998                        | Tyerach, et al.                                    |   |
|                        | AL                    | US- 5,865,851   | 02-1999                        | Sidoti, et al.                                     |   |
|                        |                       | US- 5,116,426   | 05-1992                        | Asano, et al.                                      |   |
|                        |                       | US- 6,811,811   | 11-2004                        | Gerald France, et al.                              |   |
|                        |                       | US- 6,653,512   | 11-2003                        | Behr, et al.                                       |   |
|                        |                       | US- 6,552,090   | 04-2003                        | Behr, et al.                                       |   |
|                        |                       | US- 6,743,262   | 06-2004                        | Behr, et al.                                       |   |
|                        |                       | US- 6,149,980   | 11-2000                        | Behr, et al.                                       |   |
|                        |                       | US- 6,746,617   | 06-2004                        | Radomysalski, et al.                               |   |

| FOREIGN PATENT DOCUMENTS |                       |  |                                |  |   |
|--------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear |
|                          | BA                    | EP0182583  | 11/12/1985                     | Kenneth A. Kasprzak                                |   |
|                          | BB                    | JP405064521  | 03/19/1993                     | Taki, Tomoyasu                                     |   |
|                          | BC                    |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |
|                          |                       |  |                                |  |   |

|                    |           |                 |         |
|--------------------|-----------|-----------------|---------|
| Examiner Signature | <i>am</i> | Date Considered | 4/30/07 |
|--------------------|-----------|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

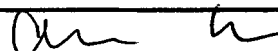
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |                        |                          |                |
|--|------------------------|--------------------------|----------------|
| Substitute for form 1448/PTO   |                        | <b>Complete if Known</b> |                |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |                        | Application Number       | 10/699,159     |
|  |                        | Filing Date              | 10/31/2003     |
|  |                        | First Named Inventor     | Conrad, et al. |
|  |                        | Art Unit                 | 1751           |
|  |                        | Examiner Name            | Amina S. Khan  |
| Sheet 19 of 23   | Attorney Docket Number | US20010201 (094342.0029) |                |

| U. S. PATENT DOCUMENTS |          |  |                                |  |   |
|------------------------|----------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| all                    | AA       | US 6,670,317                             | 12-2003                        | Severns, et al.                                    |   |
|                        | AB       | US 6,890,892                             | 05-2005                        | Scheper, et al.                                    |   |
|                        | AC       | US 6,734,153                             | 05-2004                        | William M. Scheper                                 |   |
|                        | AD       | US 5,668,102                             | 09-1997                        | Severns, et al.                                    |   |
|                        | AE       | US 6,828,295                             | 12-2004                        | Deak, et al.                                       |   |
|                        | AF       | US 6,898,951                             | 05-2005                        | Severns, et al.                                    |   |
|                        | AG       | US 5,093,031                             | 03-1992                        | Login, et al.                                      |   |
|                        | AH       | US 6,691,536                             | 02-2004                        | Severns, et al.                                    |   |
|                        | AI       | US 5,269,958                             | 12-1993                        | de Jager, Jan                                      |   |
|                        | AJ       | US 6,860,998                             | 03-2005                        | Peter F. Wilda                                     |   |
|                        | AK       | US 5,294,644                             | 03-1994                        | Login, et al.                                      |   |
|                        | AL       | US 6,060,108                             | 05-2000                        | Burd, et al.                                       |   |
|                        |          | US 6,894,014                             | 05-2005                        | Deak, et al.                                       |   |
|                        |          | US 5,505,985                             | 04-1996                        | Nakamura, et al.                                   |   |
|                        |          | US 5,427,858                             | 06-1995                        | Nakamura, et al.                                   |   |
|                        |          | US 5,676,005                             | 10-1997                        | Balliett, Robert W.                                |   |
|                        |          | US 5,962,390                             | 10/05/1999                     | Flynn  |   |
|                        |          | US 6,059,845                             | 05/09/2000                     | Berndt   |   |
|                        |          | US 2003/0226214                          | 12/11/2003                     | Radomyski  |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                |
|--------------------------|-----------------------|---|--------------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T <sup>4</sup> |
|                          |                       | Country Code <sup>1</sup> Number <sup>1</sup> Kind Code <sup>2</sup> (if known) |                                |   |   |                |
|                          | BA                    |   |                                |   |   |                |
|                          | BB                    |   |                                |   |   |                |
|                          | BC                    |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |
|                          |                       |   |                                |   |   |                |

|                    |   |                 |         |
|--------------------|---|-----------------|---------|
| Examiner Signature |  | Date Considered | 4/30/07 |
|--------------------|---|-----------------|---------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See "Kind Codes of USPTO Patent Documents" at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/P10

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)


Sheet 20

of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Kurt Estes, et al.       |
| Art Unit               | 1751                     |
| Examiner Name          | Gregory E. Webb          |
| Attorney Docket Number | US20010201 (094342.0029) |

**U. S. PATENT DOCUMENTS**

| U. S. PATENT DOCUMENTS  |              |                                |                                |  |   |  |
|---|--------------|--------------------------------|--------------------------------|--|---|--|
| Examiner<br>Initials*   | Cite<br>No.† | Document Number                | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |  |
|   |              | Number-Kind Code* (if present) |                                |  |   |  |
|  | AA           | US- 2003/0097718               | 05-2003                        | Evers, et al.                                      |   |  |
|   | AB           | US- 2002/0056164               | 05-2002                        | Estes, et al.                                      |   |  |
|   | AC           | US- 5,498,266                  | 03/12/1996                     | Takagawa, et al.                                   |   |  |
|   | AD           | US- 5,888,250                  | 03/30/1999                     | Hayday, et al.                                     |   |  |
|   | AE           | US- 6,558,432                  | 05/06/2003                     | Schulte, et al.                                    |   |  |
|   | AF           | US- 2003/0046963               | 03/13/2003                     | Scheper, et al.                                    |   |  |
|   | AG           | US- 2003/0084588               | 05/08/2003                     | France, et al.                                     |   |  |
|   | AH           | US- 2003/0196277               | 10/23/2003                     | Hallman, et al.                                    |   |  |
|   | AI           | US- 7,033,985                  | 04-2006                        | Noyes, et al.                                      |   |  |
|   | AJ           | US- 2005/0076453               | 04-2005                        | Lucas, et al.                                      |   |  |
|   | AK           | US- 2002/0133886               | 09-2002                        | Severns, et al.                                    |   |  |
|   | AL           | US- 2004129032                 | 07/08/2004                     | Luckman, et al.                                    |   |  |
|   |              | US- 2002004995                 | 01/17/2002                     | France P. Ammat, et al.                            |   |  |
|   |              | US- 2003204917                 | 11/06/2003                     | Estes, et al.                                      |   |  |
|   |              | US- 2004117919                 | 06/24/2004                     | Conrad, et al.                                     |   |  |
|   |              | US- 3266166                    | 08/16/1966                     | F. Hainrich  |   |  |
|   |              | US- 4045174                    | 08/30/1977                     | Fuhring, et al.                                    |   |  |
|   |              | US-                            |                                |  |   |  |
|   |              | US-                            |                                |  |   |  |

**FOREIGN PATENT DOCUMENTS**

| FOREIGN PATENT DOCUMENTS |                       |   |          |                                |   |   |    |
|--------------------------|-----------------------|---|----------|--------------------------------|---|---|----|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   |          | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | T* |
|                          |                       | Country Code <sup>2</sup> *Number <sup>3</sup> *Kind Code <sup>4</sup> (if known) |          |                                |   |   |    |
|                          | BA                    | EP  | 06233898 | 08/23/1994                     | Toshiba Corporation                             |   |    |
|                          | BB                    | EP  | 153052   | 06/01/2005                     | Conrad, et al.                                  |   |    |
|                          | BC                    | EP  | 1528138  | 05/04/2005                     | Conrad, et al.                                  |   |    |
|                          |                       | EP  | 1528139  | 05/04/2005                     | Conrad, et al.                                  |   |    |
|                          |                       | EP  | 1290259  | 03/12/2003                     | John C. Severns, et al.                         |   |    |
|                          |                       | AT  | 313655   | 01/15/2006                     | John C. Severns, et al.                         |   |    |

Examiner  
Signature

[Signature]

Date  
Considered

4/30/07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 21

of 23

**Complete If Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |    |
|--------------------------|-----------------------|---|--------------------------------|---|---|----|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | †* |
|                          |                       | Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (If Known) |                                |   |   |    |
| aw<br>↓                  | BA                    | AU7529101   | 12/17/2001                     | John C. Sevens, et al.                          |   |    |
|                          | BB                    | CA2407180   | 12/13/2001                     | John C. Sevens, et al.                          |   |    |
|                          | BC                    | DE60116093  | 08/31/2006                     | John C. Sevens, et al.                          |   |    |
|                          |                       | ES2254436   | 06/16/2006                     | John C. Sevens, et al.                          |   |    |
|                          |                       | JP2003535627  | 12/02/2003                     | France, et al.                                  |   |    |
|                          |                       | CH447090  | 11/30/1967                     | Fuhring Heinrich                                |   |    |

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. \*Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*



PTQ/SB/08A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |    |    |    |   |  |
|--|----|----|----|---|--|
| Substitute for form 144B/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(Use as many sheets as necessary)</i> |    |    |    | <b>Complete if Known</b><br>Application Number 10/699,159<br>Filing Date 10/31/2003<br>First Named Inventor Conrad, et al.<br>Art Unit 1751<br>Examiner Name Amina S. Khan<br>Attorney Docket Number US20010201 (094342.0029) |  |
| Sheet  | 22 | of | 23 |   |  |

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 22

of 23

**Complete if Known**

|                        |                          |
|------------------------|--------------------------|
| Application Number     | 10/699,159               |
| Filing Date            | 10/31/2003               |
| First Named Inventor   | Conrad, et al.           |
| Art Unit               | 1751                     |
| Examiner Name          | Amina S. Khan            |
| Attorney Docket Number | US20010201 (094342.0029) |

|             |            |
|-------------|------------|
| Filing Date | 10/31/2003 |
|-------------|------------|

|                      |               |
|----------------------|---------------|
| First Named Inventor | Conrad, et al |
|----------------------|---------------|

|          |      |
|----------|------|
| Art Unit | 1751 |
|----------|------|

|               |               |
|---------------|---------------|
| Examiner Name | Amina S. Khan |
|---------------|---------------|

|                        |                          |
|------------------------|--------------------------|
| Attorney Docket Number | US20010201 (094342.0029) |
|------------------------|--------------------------|

[illegible]

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | † |
|                          |                       | Country Code <sup>1</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (If Known) |                                |  |   |   |
| an<br>✓                  | BA                    | CH427715  | 01/15/1967                     | Fuhring Heinrich                                   |   |   |
|                          | BB                    | DE1410814   | 05/31/1972                     | Fuhring Heinrich                                   |   |   |
|                          | BC                    | GB1002318   | 08/25/1965                     | Fuhring Heinrich                                   |   |   |
|                          |                       | DE2401296   | 07/17/1975                     | Fuhring Heinrich                                   |   |   |
|                          |                       | FR2257726   | 08/08/1975                     | BOWE BOHLER ET WEBER KG                            |   |   |
|                          |                       | GB1500801   | 02/15/1975                     | BOWE BOHLER ET WEBER KG                            |   |   |

|                       |             |                    |         |
|-----------------------|-------------|--------------------|---------|
| Examiner<br>Signature | <i>am h</i> | Date<br>Considered | 4/30/07 |
|-----------------------|-------------|--------------------|---------|

|            |  |
|------------|--|
| Date       |  |
| Considered |  |

4/30/07

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.*

